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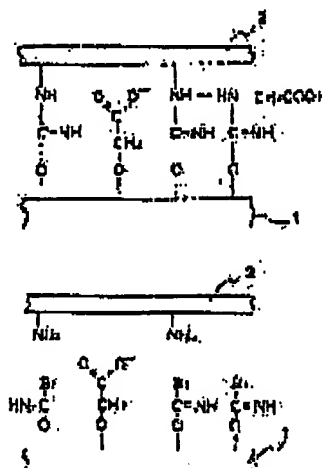
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(54) IMMOBILIZATION OF GENE

(57)Abstract:

PURPOSE: To enable gene to be detected both in high sensitivity and accuracy by covalent binding of gene to specific functional groups on a carrier to effect gene immobilization on the carrier easily in high efficiency in a short time.

CONSTITUTION: The objective immobilization can be accomplished by covalent binding, to a carrier having functional groups capable of forming negative electric charge and covalent bond on its surface, of gene to said functional groups. Specifically, for example, the hydroxyl groups on the surface of a carrier 1 consisting of CMC is reacted with cyanogen bromide into imine to effect activation; furthermore, the carrier 1 is put under an alkaline condition to make the carboxyl groups on the surface bear negative electric charge. The resulting activated carrier 1 is then immersed in a solution containing gene 2, thus immobilizing the gene 2 on the carrier 1.



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